

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/679,203	
	Filing Date	October 2, 2003	
	First Named Inventor	Andrew Mark Gutman et al.	
	Art Unit	2152	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission	6	Attorney Docket Number	CISCO-8363

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request to Correct Filing Receipt; copy of Filing Receipt; copy of 1st page of original patent 6,298,383.
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	David B. Ritchie, Reg. No. 31,562 Thelen Reid & Priest LLP
Signature	
Date	1-12-2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Andrew Mark Gutman et al.
SERIAL NO.: 10/679,203
FILING DATE: October 2, 2003
TITLE: Integration of Authentication Authorization and Accounting Service and Proxy Service
ART UNIT: 2152
EXAMINER: Unassigned

CERTIFICATE OF MAILING

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Date: 1/13/04 Name: Beatrice Orozco
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REQUEST TO CORRECT FILING RECEIPT

It is respectfully submitted that the Filing Receipt for the above-identified reissue patent application has an error. The title is spelled incorrectly; the correct spelling is "Integration of Authentication Authorization and Accounting Service and Proxy Service" and not "Integration of Authentication Authorization and Accounting Service Proxy Service" as indicated on the Filing Receipt. Please amend the Filing Receipt and appropriate records to reflect the correct title in the above referenced reissue patent application. A copy of the Filing Receipt is enclosed. In addition, also enclosed is a copy of original patent 6,298,383 which was filed with the reissue

patent application on October 2, 2003 for the above referenced patent application. Please note that it correctly lists the spelling of the title.

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 50-1698.

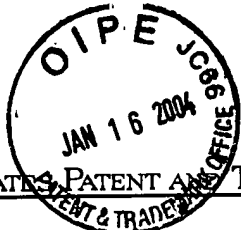
Respectfully submitted,
THELEN REID & PRIEST LLP



Dated: January 12, 2004

David B. Ritchie
Reg. No. 31,562

THELEN REID & PRIEST LLP
P.O. Box 640640
San Jose, CA 95164-0640
Phone: (408) 292-5800
Fax: (408) 287-8040

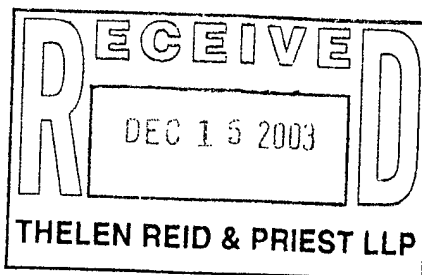


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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/679,203	10/02/2003	2152	3178	CISCO-8363	9	73	27

David B Ritchie
Thelen Reid & Priest LLP
PO Box 640640
San Jose, CA 95164-0640



CONFIRMATION NO. 4568

FILING RECEIPT



OC000000011463895

Date Mailed: 12/11/2003

Receipt is acknowledged of this reissue Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Andrew Mark Gutman, Foothill Ranch, CA;
Aravind Sitaraman, Santa Clara, CA;
Sampath Kumar Sthothra Bhasham, Santa Clara, CA;
Kalpathi S. Suryanarayanan, Cupertino, CA;

Domestic Priority data as claimed by applicant

This application is a REI of 09/225,247 01/04/1999 PAT 6,298,383

Foreign Applications

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Reviewed By: *MP* Date: *1/9/04*
No Action Required: _____
Action Required: *X* *file*

Title

and
Integration of authentication authorization and accounting service proxy service

Preliminary Class

Mail log *40* Date *12/15/03*

CPI *DOCKETED*

DEC 24 2003

Excel _____ Date _____

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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US006298383B1

(12) **United States Patent**
Gutman et al.

(10) Patent No.: **US 6,298,383 B1**
(45) Date of Patent: **Oct. 2, 2001**

- (54) **INTEGRATION OF AUTHENTICATION AUTHORIZATION AND ACCOUNTING SERVICE AND PROXY SERVICE**
- (75) Inventors: **Andrew Mark Gutman**, Foothill Ranch; **Aravind Sitaraman**; **Sampath Kumar Sthothra Bhasham**, both of Santa Clara; **Kalpathi S. Suryanarayanan**, Cupertino, all of CA (US)
- (73) Assignee: **Cisco Technology, Inc.**, San Jose, CA (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

- (21) Appl. No.: **09/225,247**
- (22) Filed: **Jan. 4, 1999**
- (51) Int. Cl.⁷ **G06F 13/00**
- (52) U.S. Cl. **709/229**
- (58) Field of Search 709/200, 202, 709/203, 223, 224, 227, 229

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Primary Examiner—Robert Harrell

(74) *Attorney, Agent, or Firm*—Thelen Reid & Priest LLP; David B. Ritchie

(57) **ABSTRACT**

A single database maintained centrally hosts both proxy service data and authentication, authorization and accounting (AAA) data. Data is then copied to storage used locally by each system when both systems are instantiated. Therefore the ISP/Telco need not maintain two different data bases. A protocol gateway (PGW) is used to determine if the incoming user is a wholesale or retail user. The PGW filters the domain portion of the access request to locate a remote AAA service. If one such service is found, the PGW routes the communication via the proxy service to proxy it to the remote AAA service. The returned packet from the remote AAA service is then searched for an IP address to be assigned to the incoming user. If one is not found the PGW obtains a dynamically allocated IP address from a DHCP server (using an IP-Pool-ID if supplied in the returned packet from the remote AAA service). The same mechanism is used to forward accounting event packets from the NAS to the remote AAA server. The PGW may monitor more than one proxy and/or AAA service and load balance among them.

30 Claims, 9 Drawing Sheets

